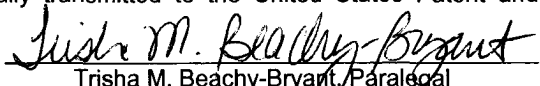


**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

U.S. Patent No: 7,015,497 B1  
Inventor: Berger  
Issued: March 21, 2006  
Application No.: 10/649,046  
Examiner: Sara Crane  
Group Art Unit: 2811  
Title: SELF-ALIGNED AND SELF-LIMITED QUANTUM DOT NANOSWITCHES  
AND METHODS FOR MAKING SAME  
Docket No.: OSU1159-166B

Commissioner for Patents  
Attention: Certificate of Correction Branch  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. §1.8 (A)	
Date of Transmission: <u>March 30, 2006</u>	
I hereby certify that this correspondence is being electronically transmitted to the United States Patent and Trademark Office by EFS-Web.	
 Trisha M. Beachy-Bryant, Paralegal	

Sir:


**REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 C.F.R. 1.322**

Transmitted herewith is a Certificate of Correction for the above-identified patent. Upon reviewing the patent, the patentee noted typographical errors made by the Patent Office in the printing of the patent, which should be corrected as indicated on the two (2) pages of attached form PTO/SB/44. A review of the application as submitted and thereafter as amended confirms that the errors were a result of Patent Office mistake and, therefore, no fee is due.

Approval of the Certificate of Correction respectfully is solicited.

Respectfully submitted,

Date: 3-30-06

By:   
Michael Stonebrook  
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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : 7,015,497 B1

APPLICATION NO.: 10/649,046

ISSUE DATE : March 21, 2006

INVENTOR(S) : Berger

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Amlani, I. et al., Demonstration of a six-dot quantum cellular automata system, *Applied Physics Letters*, 72 pp. 2179-2181 (1998)." and insert -- Amlani, I. et al., Demonstration of a six-dot quantum cellular automata system, *Applied Physics Letters*, 72, pp. 2179-2181 (1998). --

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Feldheim, D.L. et al., Self-assembly of single electron transistors and related devices, *Chemical Society Reviews*, 27, pp. 1-12 (1998)." and insert -- Feldheim, D.L. et al., Self-assembly of single electron transistors and related devices, *Chemical Society Reviews*, 27, pp. 1-12 (1998). --

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Schittenhelm, P. et al., Photoluminescence study of the crossover from two-dimensional to three-dimensional growth for Ge on Si(100), *Appl. Phys. Lett.*, 67, pp. 1292-1294 (1995)." and insert -- Schittenhelm, P. et al., Photoluminescence study of the crossover from two-dimensional to three-dimensional growth for Ge on Si(100), *Appl. Phys. Lett.*, 67, pp. 1292-1294 (1995). --

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Wang, X. et al., Germanium dots with highly uniform size distribution grown on Si(100) substrate by molecular beam epitaxy, *Appl. Phys. Lett.*, 71, pp. 3543-3545 (1997)." and insert -- Wang, X. et al., Germanium dots with highly uniform size distribution grown on Si(100) substrate by molecular beam epitaxy, *Appl. Phys. Lett.*, 71, pp. 3543-3545 (1997). --

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Yoshikawa, N. et al., Complementary Digital Logic using Resistively Coupled Single-Electron Transistor, *Jpn. J. Appl. Phys.*, 35, pp. 1140-1145 (1996)." and insert -- Yoshikawa, N. et al., Complementary Digital Logic Using Resistively Coupled Single-Electron Transistor, *Jpn. J. Appl. Phys.*, 35, pp. 1140-1145 (1996). --

In section (57), last sentence of Abstract, please delete "said" and insert -- and --.

### MAILING ADDRESS OF SENDER (Please do not use customer number below):

STANDLEY LAW GROUP LLP (Attention: Michael Stonebrook)  
495 Metro Place South, Suite 210  
Dublin, Ohio 43017-5319

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 2 of 2

PATENT NO. : 7,015,497 B1

APPLICATION NO.: 10/649,046

ISSUE DATE : March 21, 2006

INVENTOR(S) : Berger

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 1, line 56, please delete "tow" and insert -- two --.

In column 2, line 61, please delete "material and" and insert -- material; and --.

In column 3, line 1, please delete "materials" and insert -- material --.

In column 4, lines 38-39, please delete "500 nanometers" and insert -- 50 nanometers --.

In column 4, line 60, please delete "so" and insert -- to --.

In column 5, line 21, please delete "not" and insert -- no --.

In column 5, line 27, please delete "structures, the" and insert -- structures, that the --.

In column 5, line 43, please delete "diameter of not" and insert -- diameter not --.

In column 6, line 16, please delete "segmented" and insert -- segregated --.

In column 8, line 39, please delete "mode" and insert -- node --.

In column 8, line 67, please delete "represents" and insert -- resonant --.

In column 9, line 38, please delete " $E_d \geq 10k_d T$ " and insert --  $E_a \geq 10k_B T$  --.

In column 9, line 42, please delete "noticeable. Coulomb" and insert -- noticeable Coulomb --.

In column 11, line 14, please delete "expitaxial" and insert -- epitaxial --.

In column 11, line 21, please delete "Alternatively" and insert -- Alternative --.

In column 13, line 17, please delete "peptide" and insert -- periodic --.

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